



SOLAR STIK®

Category: Power Management

DC Power Distribution (DCPD) Box

Item # 14-1000110

Standardize Power Distribution

The Direct Current Power Distribution (DCPD) Box provides for a standard, intuitive interface for existing and future DC loads. The DCPD has a NATO Slave Receptacle as the DC input port to enable the use of existing NATO Slave Cables when accepting DC power from tactical vehicles and other DC power generating sources. The DCPD also has six (6) MIL-STD Bayonet connectors that are currently used on most tactical vehicles and equipment as the DC output ports. The DCPD Box is designed to distribute up to 40 A of 28 VDC nominal power through one of the output ports (J1) and another 30 A (28 VDC nominal) cumulatively through the other five (5) output ports (J2 – J6) for a total throughput capacity of 2kW.

General

| | |
|-------------------|---|
| Operating Voltage | 28 VDC Nominal |
| Power Indicator | LED for DC input and each DC output bus |
| Case* | Pelican 1200 |
| Certifications | <ul style="list-style-type: none">Compliant with MIL-STD-1275EDesign to MIL-STD-810H |
| Warranty | 1-year materials and workmanship |

Power Rating (@77 °F/25 °C)

| | |
|-----------|---|
| DC Input | 1.960 kW |
| DC Output | <ul style="list-style-type: none">J1: 1120 WJ2 – J6: 840 W |

Safety

| | |
|------------|---|
| Breaker(s) | <ul style="list-style-type: none">J1 Output: 40 AJ2 – J6 Outputs: 30 A |
|------------|---|

Connections

| | |
|-----------|------------------------------------|
| Input(s) | (1) NATO Receptacle |
| Output(s) | (6) Bayonet (CA3102E22-1SBF80A232) |

Environmental

| | |
|-----------------------|--|
| Operating Temperature | -50.8 °F to 159.8 °F (-40 °C to 71 °C) |
| Ingress Protection | Designed to IP65 |

Weights and Dimensions (L x W x H)

| | |
|------------|--|
| Weight | 8.6 lb (3.9 kg) |
| Dimensions | 12.5 x 11.4 x 4.9 in (31.8 x 29.0 x 12.5 cm) |



Features

- Selected by USMC as a compatible device for distributing power from high-capacity DC sources to multiple loads
- Simple and common connectors enable plug-and-play compatibility and standardization
- Accepts up to 70 A of input DC power and outputs 40 A through one port and 30 A total through five other ports
- Dual bus provides added power assurance to critical equipment
- Smaller and lighter than existing power distribution boxes without fragile and expensive power electronics
- Enables quicker setup and teardown of supported weapon systems
- Designed to MIL-STD-810H with testing and acceptance by USMC

Case Color Options

| | |
|----------|--------|
| OD Green | Black |
| | Silver |
| | Orange |
| | Yellow |
| | Tan |

Standard Color

Optional Colors



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